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· APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/621,745	07/16/2003	Christopher B. Wilkerson	42P15755	1809	
8791	7590 09/14/2006		EXAM	EXAMINER	
	SOKOLOFF TAYLOR	TRAN, DENISE			
12400 WILS SEVENTH I	SHIRE BOULEVARD FLOOR		ART UNIT	PAPER NUMBER	
LOS ANGE	LES, CA 90025-1030	2185			
			DATE MAILED: 09/14/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application No.	Applicant(s)				
		10/621,745	WILKERSON, CHRISTOPHER B.				
		Examiner	Art Unit				
		Denise Tran	2185				
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the c	orrespondence ac	ldress			
WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPL' CHEVER IS LONGER, FROM THE MAILING Donsions of time may be available under the provisions of 37 CFR 1.1: SIX (6) MONTHS from the mailing date of this communication. Depend for reply is specified above, the maximum statutory period or re to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	I. nely filed the mailing date of this c D (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on <u>03 Ja</u>	anuani 2006					
		_					
	-						
ا ال	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
	closed in accordance with the practice under E	ex parte Quayre, 1935 C.D. 11, 45	3 O.G. 213.				
Dispositi	on of Claims			•			
4)⊠	4)⊠ Claim(s) <u>1-38</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
	5) Claim(s) is/are allowed.						
6)[☐ Claim(s) is/are rejected.						
7)							
8)🛛	Claim(s) 1-38 are subject to restriction and/or	election requirement.					
Applicati	on Papers						
9)□	The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
	ınder 35 U.S.C. § 119						
121	Acknowledgment is made of a claim for foreign	priority under 35 LLS C & 119(a)	-(d) or (f)				
-	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
۵٫۱	1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the prior			Stago			
	application from the International Bureau	•	d iii tilis ivationat	Stage			
* 0	see the attached detailed Office action for a list	` ','	d				
	and and another definition of the determinant	o. aro coranica copies net receive	·				
Attachmen	t(s)						
_	e of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) 🔲 Notic	ite						
	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	5) Notice of Informal P 6) Other:	atent Application (PT	0-152)			

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1-6, 13-15, 21-23, and 29-32, drawn to determine whether a cache line to be replaced based on a max age value, classified in class 711, subclass 133.
 - II. Claims 7-12, 16-20, 24-28, and 33-38, drawn to prefetching a cache line, classified in class 711, subclass 213; 712/207.
- 2. The inventions are distinct, each from the other because of the following reasons:

 Inventions II and I are related as subcombinations disclosed as usable together
 in a single combination. The subcombinations are distinct if they do not overlap in
 scope and are not obvious variants, and if it is shown that at least one subcombination

is separately usable. In the instant case, subcombination I has separate utility such as

use of invention I in a system which lacked prefetching a cache line particularly. See

MPEP § 806.05(d).

3. Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art in view of their different

classification, restriction for examination purposes as indicated is proper.

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4. Because these inventions are independent or distinct for the reasons given above and the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

5. A telephone call was made to Gregory Caldwell (reg. # 39,926) on 8/21/06 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Denise Tran whose telephone number is (571) 272-4189. The examiner can normally be reached on Monday and Thursday from 8:45 a.m. to 5:15 p.m.. The examiner can also be reached on alternate Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sanjiv Shah, can be reached on 571-272-4098. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Denise Tran

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9/1/06